David McGrath

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Work Experience

Rackspace Hosting, Blacksburg, Virginia   summer 2012 - present
A managed cloud computing company

Software Developer II, Cloud Office
- Created a web app from scratch using Angular, gulp, karma, protractor, and Vagrant
- Lead collaboration with other teams to adjust the strategy for a group-wide project and to keep it successful
- Incorporated skills from Crucial Conversations class and other soft skills trainings
- Maintained and grew a complex app using ASP.NET MVC, NServiceBus, NHibernate, ASP.NET Web API, and Angular
- Created a JavaScript API as a data layer for our website on top of our public Admin REST API
- Implemented strategies to help detangle other teams' business logic from our code

Sparta, Centreville, Virginia   summers 2008 - 2011
A United States defense contractor

Intern
- Created a project, extracting shared part of our team's multiple applications to run as a network service
- Explored OpenSSL development, C++ development in Linux, and working in a team
- Collaborated with team members to document and test Linux and Windows software
- Explored bash scripting, make, and grew a good foundation for problem solving in UNIX
- Created a series of tools to automate several steps in building company software

Personal Projects

Kabrich   summer 2015
An Angular app for advertising a rental property, served from http://kabrich-home.com
- Applied knowledge of technologies including Angular, Gulp, Karma, Jasmine, Node
- Refined coding style for these technologies on a completely-from-scratch project
- Published on GitHub: https://github.com/Mavtak/kabrich

Roomie   winter 2007 - present
An easy to use, extensible home automation framework, served from http://roomiebot.com
- Implemented Angular modules, controllers, directives, unit tests from scratch
- Maintained some older MVC pages alongside new Angular pages to explore in real-world migration constraints
- Implemented a repository pattern for the website's server-side data layer to separate ORM-specific implementation
- Developed a plugin system for the desktop application
- Defined a general interface to reconcile different types of devices and different hardware technologies
- Published on GitHub: https://github.com/mavtak/roomie

Formal Education

Virginia Tech, Blacksburg, Virginia   fall 2008 - spring 2012
B.S. in Computer Science

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